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Impact of single-inclusive hadron data on nuclear PDFs in nCTEQ15

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The nCTEQ15 fit of nuclear Parton Distribution Functions (nPDFs) includes data on Deep Inelastic Scattering (DIS), Drell-Yan (DY) and single-inclusive pion production. In preparation for the upcoming nCTEQ nPDF update, we present an analysis assessing the impact of additional single-inclusive hadron production data in a nCTEQ15-like fit. Specifically we look at pion production data from all RHIC and LHC experiments. Furthermore, we investigate the resulting dependence on the fragmentation functions.

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